

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A61F 5/00		A1	(11) International Publication Number: WO 00/69376 (43) International Publication Date: 23 November 2000 (23.11.00)
(21) International Application Number: PCT/US00/13703 (22) International Filing Date: 18 May 2000 (18.05.00) (30) Priority Data: 60/134,672 18 May 1999 (18.05.99) US 09/571,080 15 May 2000 (15.05.00) US (71) Applicant: SILHOUETTE MEDICAL INC. [US/US]; 687 North Pastoria Drive, Sunnyvale, CA 94086 (US). (72) Inventor: EDWARDS, Stuart, D.; 658 Westbridge Drive, Portola Valley, CA 94028 (US). (74) Agent: SWERNOFSKY LAW GROUP; P.O. Box 390013, Mountain View, CA 94039-0013 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: SURGICAL WEIGHT CONTROL DEVICE

(57) Abstract

This invention provides a method and system for the curative treatment of obesity. A first aspect of this invention is that it enables identification of the nerves responsible for the relaxation of the stomach muscles that occurs prior to and during eating. A second aspect of the invention is that it allows the physician to identify focal nerve sites in the stomach and upper duodenum that are associated with producing sensations of hunger and satiety. Nervous transmission from these sites can be modulated or blocked all together so as to minimize the sensation of hunger. A third aspect of this invention is that it allows a physician to shrink selected portions of the innermost oblique muscle and middle circular muscle layers of the stomach. This can be performed in a physician's office using local anesthesia. Shrinkage of these muscles produces a feeling of satiety that enhances the patient's efforts to restrict his caloric intake.

